

Historic, Archive Document

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DITHANE

**ORGANIC
FUNGICIDE**

FOR BONUS BUSHELS



**CONTROL BLIGHT
BOOST YIELDS**

**WITH
DITHANE**

THE TIME PROVED
ORGANIC FUNGICIDE

Some seasons, "blight is light" and almost any fungicide will work. But too often, early and late blight are destructive and only really effective control measures provide the necessary protection. Since nothing much can be done about the weather favoring blight development, the safest thing to do is to rely on a *dependable* spray or dust.

Introduced in 1944, DITHANE has become a standard, widely used and thoroughly proved fungicide in potato producing areas.

The reason is simple. DITHANE sprays and dusts give *dependable* control of late and early blight—without the harsh vine-stunting effects of copper fungicides. As a result, DITHANE-protected crops have shown consistently higher yields.

Yes, on both counts—disease control and yield—DITHANE sprays and dusts have won the virtually unanimous approval of American potato growers.

CONTROL BLIGHT-BOOST YIELDS WITH

DITHANE



COBBLER



KATAHDIN



TRIUMPH

EARLY BLIGHT (*Alternaria solani*)

Spots show series of concentric rings giving appearance of a target board.



LATE BLIGHT (*Phytophthora infestans*)

White mildew growth on under side of affected leaves is another means of identifying the disease.

EFFECTIVE CONTROL of both early and late blight depends upon *regular* and *thorough* applications of DITHANE spray or dust. The suggested schedule given in this folder is a typical one that has been widely and successfully used by many farmers. Naturally, as conditions vary with different areas, growers should be guided by recommendations of local agricultural authorities as to details of their spraying and dusting programs.

TWO CONVENIENT SPRAYS TO CHOOSE FROM

DITHANE D-14 SPRAY

MATERIALS NEEDED FOR:

	<u>50 gal. spray</u>	<u>100 gal. spray</u>
DITHANE D-14	1 qt.	2 qt.
Zinc sulfate (36% metallic zinc equivalent)	1/2 lb.	1 lb.

CONTAINERS
5 gal. cans
30 gal. drums
50 gal. drums

Mixing—Fill tank one-half full of water. Then add required DITHANE D-14. Sift zinc sulfate into tank or wash through the screen. Add DDT, if used for insect control, when tank is almost full.

DITHANE Z-78 SPRAY

MATERIALS NEEDED FOR:

	<u>1 gal.</u>	<u>50 gal.</u>	<u>100 gal.</u>
DITHANE Z-78	1 tbsp.	3/4 lb.	1 1/2 lbs.

CONTAINERS
3 lb. bags
(16 to the case)

Mixing—Fill sprayer one-half full of water. Sift measured amount of DITHANE Z-78 into tank as it continues to fill. Add DDT, if used, when tank is almost full.



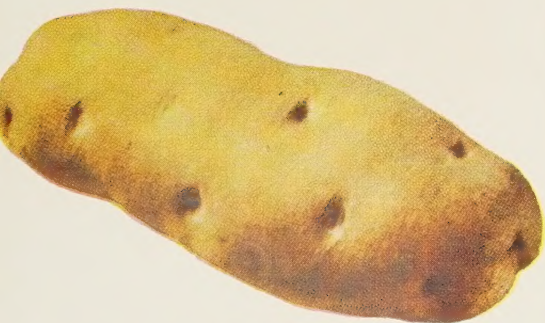
GREEN MOUNTAIN



RUSSET RURAL



PONTIAC



RUSSET BURBANK

50 gal. drums wash through the screen. Add DDT, if used for insect control, when tank is almost full.

tinues to fill. Add DDT, if used, when tank is almost full.

DITHANE DUSTS

Dusts based on DITHANE Z-78 are mixed and sold by leading dust blenders. Accurately formulated for local conditions, these dusts are thoroughly mixed to meet your requirements.

DITHANE dusts are available with the insecticides regularly used to combat potato insect pests.

DITHANE SPRAY OR DUST PROGRAM

BEGIN applications when plants are 2 to 4 inches high.

For first spraying—use 50 to 75 gallons of spray per acre.

For first dusting—use 20 to 25 pounds of dust per acre.

REPEAT applications at weekly intervals. During periods of cool, wet weather, favorable to the development of late blight, spray or dust at 3 to 5 day intervals.

Increase spray gallonage as plants become larger—125 to 175 gallons per acre may be required to cover mature vines. Adjust nozzles to insure maximum coverage. Maintain pressure of from 375 to 450 pounds.

Increase dust dosage as plants grow. Use 40 to 50 pounds per acre on mature vines. Direct nozzles to get thorough coverage of new and older vine growth.

CONTINUE regular sprays or dusts until the vines are dead from maturity or frost. If earlier digging is desired, kill tops with a vine killer (chemical or mechanical) and wait from 7 to 10 days to begin digging. This will give the potato skins a chance to set and there will be less tendency to bruising and scuffing during digging.

DIG, HANDLE AND STORE—WITH CARE

Potatoes are relatively tender and damage easily if given rough treatment during harvesting and subsequent handling.

You can minimize waste and unnecessary loss by adjusting and padding your digger to reduce bruising and by careful loading and unloading of field trucks.

Potatoes like cool, damp storage conditions. Prompt cooling of the storage house after filling helps to reduce weight loss and prolong dormancy.

NON WARRANTY—Seller makes no warranty of any kind, express or implied, concerning the use of this product. Buyer assumes all risk of the use of handling whether in accordance with directions or not.

DITHANE is a trademark, Reg. U. S. Pat. Off. and in principal foreign countries.

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ROHM & HAAS COMPANY

WASHINGTON SQUARE • PHILADELPHIA 5, PENNSYLVANIA



DITHANE...

RATES FIRST AGAIN

WITH POTATO MEN

1947

1948

1949

1st

Potato research men are constantly testing fungicides, old and new, in their search for better ways to fight blight. Their tests are national in scope and their observations are based on disease control and yield.

Results vary in individual tests. It is noteworthy, however, that for three consecutive years—1947, 1948 and 1949—no other fungicide has matched DITHANE in over-all performance.

The outstanding performance of DITHANE in numerous official tests has found ample confirmation in the equally successful use of DITHANE sprays and dusts on thousands of acres of farm-grown potatoes and other crops.

SAFE

PROTECTION

FOR VEGETABLE CROPS

Production of quality vegetables requires good cultural practices plus sound disease and insect control measures.

DITHANE helps you control many diseases of numerous vegetables and ornamentals. And, unlike many fungicides, DITHANE is *safe* to foliage, blossoms and fruit of tomatoes, cucumbers and cantaloupes. Other crops benefiting from DITHANE sprays and dusts include azaleas, carrots, celery, gladiolus, grapes, hops, lima beans, onions, peppers, snap beans, and tobacco seedlings.

Ask your DITHANE dealer for folders giving detailed information on how DITHANE dusts and sprays can help you grow finer vegetables or send a post card to Rohm & Haas Company, Philadelphia 5, Penna.

YOUR DITHANE DEALER

WILLIAM KROEMER & SONS, Inc.
HICKSVILLE, L. I. N. Y.

RH



ROHM & HAAS COMPANY

Washington Square
Philadelphia 5, Pennsylvania